



PATENT
Attorney Docket No. 202406

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D. 012

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Nie et al.

Application No. 09/405,653

Filed: September 24, 1999

Group Art Unit: 1765

Examiner: Unassigned

For: WATER-SOLUBLE LUMINESCENT
QUANTUM DOTS AND BIOMOLECULAR
CONJUGATES THEREOF AND RELATED
COMPOSITIONS AND METHOD OF USE

AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In response to the Office Action dated September 19, 2000, please enter the following amendments and consider the following remarks. This response is timely since it is accompanied by a petition and fee for a two-month extension of time for filing a response under 37 C.F.R. § 1.136(a).

AMENDMENTS

IN THE CLAIMS: ✓

Please amend claim 1 as follows:

1. (Amended) A water-soluble luminescent semiconductor quantum dot, which comprises a core, a cap and a hydrophilic attachment group, wherein the water-soluble luminescent semiconductor quantum dot remains in solution for at least about one day.

Please cancel claims 24-37 and 40-68 without prejudice or disclaimer of the subject matter contained therein.

REMARKS

The Present Invention

The present invention is directed to a water-soluble luminescent semiconductor quantum dot comprising a core, a cap and a hydrophilic attachment group, wherein the